

Product Evaluation

RE: Review of N.P. Reflector – Post Mounted Guardrail Reflector

PRODUCT

N.P. Reflector is manufactured by URS Flint located in Edmonton Alberta and distributed by Canada Culvert located in Edmonton, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS:

N.P. Reflector has been designed to be attached to the top of steel guardrail posts to increase the visibility of guardrails. The N.P. Reflector consists essentially of a 100mm diameter high density polyethylene tube with a retro-reflective sheeting material glued to the top of the tube. The N.P. Reflector is bolted to the top of the steel post. Product Web link:
http://www.canadaculvert.com/products/?product_cat=guardrail

DESCRIPTION:

N.P. Reflector is manufactured using a high density polyethylene (HDPE) PE100 extrusion. The N.P. Reflector is 100mm diameter and 560mm in length. The N.P. Reflector high density polyethylene also includes ultra violet protection.

POTENTIAL USAGE:

N.P. Reflector is fabricated to be used as a flexible guide post traffic delineator for guardrail posts. The N.P. Reflector is easily fastened to the steel post using the guardrail bolt, the hole is factory drilled into the N.P. Reflector. The reflector strip attached to the N.P. Reflector meets the requirements of ASTM 4956, Type XI brightness.

STANDARDS:

ASTM D3350 – Cell Classification
ASTM D4956 – Retro-reflective Sheeting for Traffic Control

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Transportation has no experience with this product.

APPLICATION STANDARDS:

The Alberta Transportation specification for guardrail and guide post delineation is as follows:

Specification 2.19, Guardrail and Guideposts

RECOMMENDATIONS:

N.P. Reflector be listed as a Potential Product under Alberta Transportation Products List, Traffic Control Devices – Barrier Mounted delineators – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

Note: The reflective sheeting strip shall conform to Alberta Transportation Specification 5.28.25 – 100mm wide X 330mm long.

TRIAL PROJECTS

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